



Application Serial No. 08/487,701  
Attorney's Docket No. 028723-020

J' -- This application is a continuation of U.S. Serial No. 08/312,914, filed September 30, 1994 (now abandoned), which is a continuation of U.S. Serial No. 08,137,745, filed October 19, 1993 (now abandoned), which is a continuation of U.S. Serial No. 08/015,390, filed February 8, 1993 (now abandoned), which is a continuation of U.S. Serial No. 07/670,242, filed March 15, 1991 (now abandoned), which is a continuation-in-part of U.S. Serial No. 07/659,974, filed February 22, 1991 (now abandoned), which is a continuation-in-part of U.S. Serial No. 07/537,305, filed June 11, 1990, which is a continuation-in-part of U.S. Serial No. 07/497,098, filed March 20, 1990 (now abandoned), which is a continuation-in-part of U.S. Serial No. 07/444,669, filed December 1, 1989 (now abandoned), which is a continuation-in-part of U.S. Serial No. 06/937,793, filed December 4, 1986 (now abandoned), which is a continuation-in-part of U.S. Serial No. 06/819,314, filed January 16, 1986 (now abandoned), of which U.S. Serial No. 07/382,094, filed July 19, 1989, is a continuation.--

## IN THE CLAIMS

Please delete claims 50 and 75 without prejudice or disclaimer.

Please amend the remaining claims as follows:

J<sup>2</sup> 72. (Amended) A method of staining target interphase chromosomal DNA comprising:

(a) providing at least one labeled nucleic acid probe having a complexity greater than about 40 kb which labeled nucleic acid probe comprises fragments